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Applicant, Powertech Industries Inc. sent the Assignment and Declaration and Power of Attorney to the last known address of the non-signing inventor, with the request that he execute the documents.

Applicant submits that the evidence in the Declaration of Janet L. Au-yeung outlines her attempts to have the non-signing inventor sign an Assignment and Declaration and Power of Attorney and his refusal to do so. In the letter from Vermette & Co. to the non-signing inventor, we requested that he sign the assignment and declaration and power of attorney, however, the non-signing inventor returned a copy of the letter and executed a statement indicating his refusal to sign the documents.

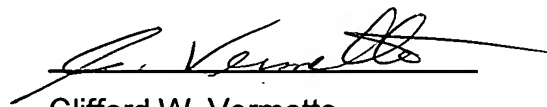
Applicant submits that the evidence in the Declaration of Clifford W. Vermette shows that the Applicant, Powertech Industries Inc. was to own the above-referenced Patent Application and all predecessor and subsequent applications related thereto.

Accordingly, Applicant petitions the Commissioner to allow the present application to proceed without the signature of the non-signing inventor, Mehrzad Movassagi.

Respectfully submitted,

Dated: Dec 15/05

By:



Clifford W. Vermette
Reg. No. 30,018
Attorney for Applicant

Vermette & Co.
Box 40 Granville Square
230 - 200 Granville Street
Vancouver, British Columbia
Canada V6C 1S4
Tel: (604) 331 - 0381
Fax: (604) 331 - 0382

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
)
Mehrzhad Movassagi, et al.)
)
Serial No. 10/530,014)
)
Filed: October 1, 2003) Atty. Dkt. No.: 1491-148
)
For: Multiple Plate Combustor)
)

DECLARATION OF JANET L. AU-YEUNG IN SUPPORT
OF PETITION UNDER 37 CFR 1.47

I, Janet Au-yeung, Paralegal, of Vancouver, British
Columbia, Canada, SAY AS FOLLOWS:

1. I have personal knowledge of the matters and facts
hereinafter deposed to save and except where stated to be based
upon information and belief, in which case I verily believe them
to be true.

2. I am a Paralegal employed by the law firm Vermette &
Co. and Registered U.S. Patent Attorney Clifford W. Vermette,
Registration No. 30,018.

3. The current contact information I have on file for, the
inventor, Mehrzhad Movassagi is his residential address of 2316
West 13th Avenue, Vancouver, British Columbia, V6K 2S6.

4. On or about November 7, 2005, I forwarded to Mehrzad Movassagi, for review and execution, an Assignment and Declaration and Power of Attorney documents for U.S. Pat. Appln. No. 10/530,014. The documents were sent by regular mail to his home address. Attached to this my Declaration is a true copy of the letter marked Exhibit "A".

5. On or about December 7, 2005, having not received the executed Assignment and Declaration and Power of Attorney, I couriered same to his residential address. Attached to this my Declaration is a true copy of the letter marked Exhibit "B".

6. On or about December 7, 2005, I also sent by registered mail the required documents to his residential address. Attached to this my Declaration is a true copy of the Customer Tracking Receipt marked Exhibit "C".

7. On or about December 8, 2005, the courier package was returned to our office, as no one at the residence was available to sign for the courier package.

8. On or about December 14, 2005, the Inventor, Mehrzad Movassagi, came to the office and executed a letter indicating that he had received the Assignment and Declaration and Power of

Attorney documents and refused to execute them. Attached to this my Declaration is a true copy of the letter marked Exhibit "D"

9. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SWORN BEFORE ME at the City of

Vancouver, in the Province of

British Columbia, this 15th

day of December, 2005

G. Vernetto
A Commissioner for taking
Affidavits for British Columbia

Janet L. Au-yeung
Janet L. Au-yeung

Vermette & Co.

Barristers & Solicitors
Patent and Trademark Agents

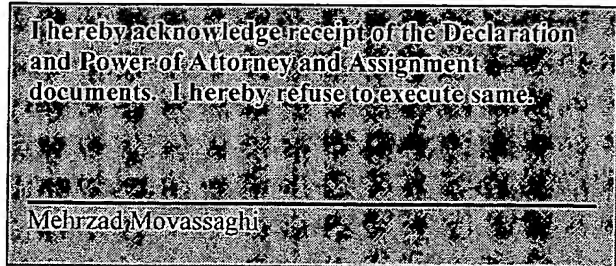
Box 40, Granville Square
Suite 230, 200 Granville Street
Vancouver, British Columbia
CANADA V6C 1S4

Telephone: (604) 331 0381
Facsimile: (604) 331 0382
E-mail: ip@vermetteco.com
Web Site: www.vermetteco.com

November 7, 2005

Mr. Mehrzad Movassaghi
2316 West 13th Avenue
Vancouver, British Columbia
V6K 2S6

Dear Mr. Movassaghi:



**Re: United States National Phase Patent Application No. 10/530,014
of International PCT Patent Application no. PCT/CA2003/001514**
Int'l Filing Date: October 1, 2003
Title: MULTIPLE PLATE COMBUSTOR
Applicants: Powertech Industries Inc., et al.
Inventor: Mehrzad Movassaghi
Priority: Italian Patent Application No. T02002A00850 filed October 1, 2002
Our File: 1491-148

The above-referenced application was filed without supporting documents. Under United States Patent law, we are required to submit a Declaration and Power of Attorney as executed by the inventor.

Please also find enclosed a copy of an Assignment document, which assigns all right, title and interest in the above-referenced application to Powertech Industries Inc.

Please review the above documents and if they are acceptable, please execute the documents and return same to our office at your earliest convenience.


We look forward to receiving the above documents in, in any event, before **December 7, 2005**.

If you do not intend to execute and return the enclosed documents, kindly execute and return the attached copy of this letter, wherein you acknowledge receipt of this letter.

We thank you for your cooperation in this matter. Should you have any questions, please do not hesitate to contact our office.

Yours truly,

VERMETTE & CO.

per: 
Clifford W. Vermette

CWW/jla/kjg
encls.

This is Exhibit A "referred to in the
affidavit of JANE L. AU-GEON
sworn before me at Vancouver, BC
this 15th day of December 2005


A Commissioner for taking Affidavits
for British Columbia

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following as my attorneys and/or agents, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent & Trademark Office connected therewith:

Clifford W. Vermette

Reg. No. 30,018

Customer Number: 32084

**SEND CORRESPONDENCE TO: Vermette & Co.
Box 40, Granville Square
Suite 230, 200 Granville Street
Vancouver, British Columbia
Canada V6C 1S4**

DIRECT TELEPHONE CALLS TO: Clifford W. Vermette at (604) 331-0381

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Sole Inventor:

Full Name: Mehrzad Movassaghi

Signature: _____ **date:** _____

Citizenship: Canadian

Residence Address: 2316 West 13th Avenue
Vancouver, British Columbia
Canada V6K 2S6

Post Office Address: same

ASSIGNMENT

WHEREAS

Inventor: Mehrzad Movassaghi
Address: 2316 West 13th Avenue
Vancouver, British Columbia
V6K 2S6, Canada

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged by each of the undersigned, the undersigned agree to assign, and hereby does assign, transfer and set over to

Assignee: Powertech Industries Inc.

Jurisdiction: British Columbia

Address: Suite 1700 – 1095 West Pender Street
Vancouver, British Columbia
V6E 2M6, Canada

hereinafter designated as "Assignee

all right, title and interest in the invention known as:

MULTIPLE PLATE COMBUSTOR

for which the undersigned has executed an application for patent filed on March 31, 2005, in the Canadian Patent Office as application number _____ which claims priority from International PCT patent Application No. PCT/CA2003/001514 filed October 1, 2003 concurrently herewith.

1. The undersigned agrees to execute all papers necessary in connection with the application and any previously regularly filed applications on the basis of which a request for priority is made, any continuing or divisional applications thereof or corresponding applications for filing in countries other than Canada and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
2. The undersigned agrees to execute all papers necessary in connection with any interference, conflict or opposition which may be declared concerning this application or continuation or division or divisions thereof and to co-operate with the Assignee in every way possible in obtaining evidence and going forward with such interference, conflict or opposition.
3. The undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
4. The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid Canadian Patent to the Assignee.

5. The undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of Canada resulting from said application or continuation or division or divisions thereof to the said Assignee, as Assignee of the entire interest and hereby covenants that he has full right to convey the entire interest herein assigned and that they he has not executed and will not execute, any agreement in conflict herewith.

SIGNED at _____, Canada,

this ____ day of _____, 2005.

MEHRZAD MOVASSAGHI

WITNESS:

(signature)

(name - printed)

(address)

(occupation)

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below beneath my name,

I believe I am a joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled:

MULTIPLE PLATE COMBUSTOR

the specification of which (*check one*):

☐ is attached hereto.

☒ was filed on _____, as Application Serial No. 10/530,014.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 United States Code § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)		Priority Claimed	
<u>T02002A00850</u>	<u>Italy</u>	<u>1/October/2003</u>	<u>X</u>
(number)	(country)	(day/month/year filed)	yes no

I hereby claim the benefit under 35 United States Code § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 United States Code § 112, I acknowledge the duty to disclose information which is material to the patentability as defined in 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>PCT/CA03/001514</u>	<u>October 1, 2002</u>	<u>Completed</u>
(Application Serial No.)	(Filing Date)	Status: (Patented, Pending, Completed)

Vermette & Co.

Barristers & Solicitors
Patent and Trademark Agents

This is Exhibit "B" referred to in the
Affidavit of JANET L. AU-YEUNG
sworn before me at VANCOUVER, B.C.
this 15th day of December 2005
[Signature]
A Commissioner for taking Affidavits
for British Columbia

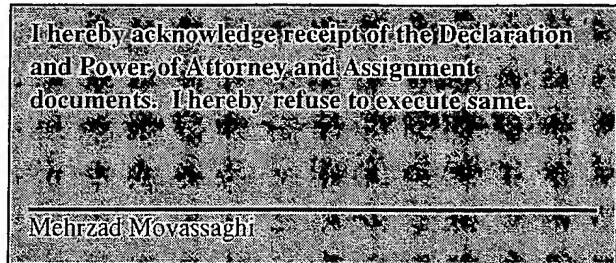
Box 40, Granville Square
Suite 230, 200 Granville Street
Vancouver, British Columbia
CANADA V6C 1S4

Telephone: (604) 331 0381
Facsimile: (604) 331 0382
E-mail: ip@vermetteco.com
Web Site: www.vermetteco.com

December 7, 2005

VIA COURIER & REGISTERED MAIL

Mr. Mehrzad Movassaghi
2316 West 13th Avenue
Vancouver, British Columbia
V6K 2S6



Dear Mr. Movassaghi:

**Re: United States National Phase Patent Application No. 10/530,014
of International PCT Patent Application no. PCT/CA2003/001514
Int'l Filing Date: October 1, 2003
Title: MULTIPLE PLATE COMBUSTOR
Applicants: Powertech Industries Inc., et al.
Inventor: Mehrzad Movassaghi
Priority: Italian Patent Application No. T02002A00850 filed
October 1, 2002
Our File: 1491-148**

Further to our letter of November 7, 2005, we wish to remind you that the above-referenced application was filed without supporting documents. Under United States Patent law, we are required to submit a Declaration and Power of Attorney as executed by the inventor.

Please also find enclosed a copy of an Assignment document, which assigns all right, title and interest in the above-referenced application to Powertech Industries Inc.

Please review the above documents and if they are acceptable, please execute the documents and return same to our office at your earliest convenience.

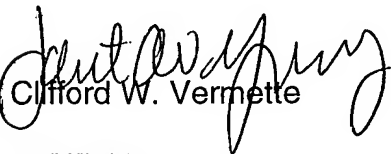
We look forward to receiving the above documents in, in any event, before **December 14, 2005**.

If you do not intend to execute and return the enclosed documents, kindly execute and return the attached copy of this letter, wherein you acknowledge receipt of this letter.

We thank you for your cooperation in this matter. Should you have any questions, please do not hesitate to contact our office.

Yours truly,

VERMETTE & CO.

per. 
Clifford W. Vermette

CWV/jla/kjg
encls.

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below beneath my name,

I believe I am a joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled:

MULTIPLE PLATE COMBUSTOR

the specification of which (*check one*):

☐ is attached hereto.

☒ was filed on _____, as Application Serial No. 10/530,014.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 United States Code § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>T02002A00850</u>	<u>Italy</u>	<u>1/October/2003</u>	<u>X</u>	<u> </u>
(number)	(country)	(day/month/year filed)	yes	no

I hereby claim the benefit under 35 United States Code § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 United States Code § 112, I acknowledge the duty to disclose information which is material to the patentability as defined in 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>PCT/CA03/001514</u>	<u>October 1, 2002</u>	<u>Completed</u>
(Application Serial No.)	(Filing Date)	Status: (Patented, Pending, Completed)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following as my attorneys and/or agents, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent & Trademark Office connected therewith:

Clifford W. Vermette

Reg. No. 30,018

Customer Number: 32084

**SEND CORRESPONDENCE TO: Vermette & Co.
Box 40, Granville Square
Suite 230, 200 Granville Street
Vancouver, British Columbia
Canada V6C 1S4**

DIRECT TELEPHONE CALLS TO: Clifford W. Vermette at (604) 331-0381

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Sole Inventor:

Full Name: Mehrzad Movassaghi

Signature: _____ **date:** _____

Citizenship: Canadian

Residence Address: 2316 West 13th Avenue
Vancouver, British Columbia
Canada V6K 2S6

Post Office Address: same

ASSIGNMENT

WHEREAS

Inventor: Mehrzad Movassaghi
Address: 2316 West 13th Avenue
Vancouver, British Columbia
V6K 2S6, Canada

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged by each of the undersigned, the undersigned agree to assign, and hereby does assign, transfer and set over to

Assignee: Powertech Industries Inc.

Jurisdiction: British Columbia

Address: Suite 1700 – 1095 West Pender Street
Vancouver, British Columbia
V6E 2M6, Canada

hereinafter designated as "Assignee

all right, title and interest in the invention known as:

MULTIPLE PLATE COMBUSTOR

for which the undersigned has executed an application for patent filed on March 31, 2005, in the Canadian Patent Office as application number _____ which claims priority from International PCT patent Application No. PCT/CA2003/001514 filed October 1, 2003 concurrently herewith.

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SIGNED at _____, Canada,

this ____ day of _____, 2005.

MEHRZAD MOVASSAGHI

WITNESS:

(signature)

(name - printed)

(address)

(occupation)

Vermette & Co.

Barristers & Solicitors
Patent and Trademark Agents

This is Exhibit D "referred to in the
Affidavit of JAMES L. AU-YEUNG
sworn before me at VANCOUVER, BC
this 15th day of December 2005
[Signature]
A Commissioner for taking Affidavits
for British Columbia

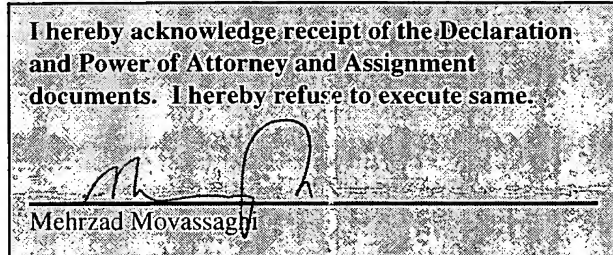
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CANADA V6C 1S4

Telephone: (604) 331 0381
Facsimile: (604) 331 0382
E-mail: ip@vermetteco.com
Web Site: www.vermetteco.com

December 7, 2005

VIA COURIER & REGISTERED MAIL

Mr. Mehrzad Movassaghi
2316 West 13th Avenue
Vancouver, British Columbia
V6K 2S6



Dear Mr. Movassaghi:

**Re: United States National Phase Patent Application No. 10/530,014
of International PCT Patent Application no. PCT/CA2003/001514**
Int'l Filing Date: October 1, 2003
Title: MULTIPLE PLATE COMBUSTOR
Applicants: Powertech Industries Inc., et al.
Inventor: Mehrzad Movassaghi
**Priority: Italian Patent Application No. T02002A00850 filed
October 1, 2002**
Our File: 1491-148

Further to our letter of November 7, 2005, we wish to remind you that the above-referenced application was filed without supporting documents. Under United States Patent law, we are required to submit a Declaration and Power of Attorney as executed by the inventor.

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We thank you for your cooperation in this matter. Should you have any questions, please do not hesitate to contact our office.

Yours truly,

VERMETTE & CO.

per: [Signature]
Clifford W. Vermette

CWV/jla/kjg
encls.

IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

In re the Application of:

Application No.: 10/530,014

International Appln: PCT/CA2003/001514

Title: MULTIPLE PLATE COMBUSTOR

Applicant: Mehrzad Movassaghi, et al.

Filing Date: October 1, 2003

Customer No: 32084

Attorney Docket No. 1491-148

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

**DECLARATION OF CLIFFORD W. VERMETTE IN SUPPORT OF PETITION UNDER
37 CFR 1.47**

I, Clifford W. Vermette, Patent Agent for Powertech Industries Inc., declare as follows:

1. I have been working with the Inventor, Mehrzad Movassaghi, for approximately 15 years and with the Applicant of the predecessor PCT Application, Powertech Industries Inc., for approximately 8 years.
2. On or about February, 1998, I received instructions from the Inventor to prepare and file a United States continuation-in-part application for a combustor having two plates each formed from spiral tubing, with the plates, enclosing a combustion chamber. This combustor is similar to the combustor of the present application except that the present one has multiple plates. A copy of an assignment from the Inventor to Powertech Industries Inc. is annexed hereto to this my Declaration and marked as Exhibit A.
2. On or about February 6, 2002, I met with the Inventor, Mehrzad Movassagi in my office to discuss the present invention. A copy of my typewritten notes prepared immediately after our meeting and a copy of the notes of the Inventor are annexed hereto as Exhibit B and C to this my declaration. At the time, the Inventor, Mehrzad Movassagi, was providing us with all instructions regarding the subject patent application.
3. On or about April 3, 2002, we received a facsimile letter from the said Inventor, Mehrzad Movassaghi, forwarding to me drawings for the predecessor PCT application. A copy of this facsimile is annexed hereto this my declaration as Exhibit D.

4. On or about July 10, 2002 my then associate, Orin Del Vecchio, had email correspondence with the said Mehrzad Movassaghi, a copy of which is annexed hereto as Exhibit E to this my declaration, concerning the filing of the parent PCT application.

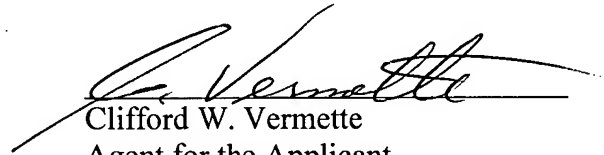
5. On or about October 29, 2003 the said Inventor, Mehrzad Movassaghi, executed a Power of Attorney document in respect of the predecessor PCT application. A copy of which is annexed hereto as Exhibit F to this my declaration, appointing our firm as agent for the United States, which also contained an appointment by Powertech Industries Inc. of our firm as agent for all countries other than the U.S. This document shows Powertech Industries Inc. to be the Applicant of the patent application in all countries other than the United States.

6. All of our firm's accounts have been paid by Powertech Industries Inc. since the preparation and filing of the aforesaid continuation-in-part application mentioned in paragraph 2 hereof including the preparation and filing of the parent Italian Patent Application for the invention herein.

7. It has always been my understanding that Powertech Industries Inc. was to own the Patent Application herein and all predecessor and subsequent applications related thereto.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: Dec 15/05


Clifford W. Vermette
Agent for the Applicant
Reg. No. 30,018

Vermette & Co.
Box 40 Granville Square
Suite 230-200 Granville Street
Vancouver, British Columbia
V6C 1S4

Telephone: 604-331-0381
Facsimile: 604-331-0382

Attorney Docket No. _____

ASSIGNMENT

WHEREAS

Inventor: **Mehrzad Movassaghi**
Address: **2316 West 13th
Vancouver, British Columbia
V6K 2S6 Canada**

This is **Exhibit A** "referred to in the
affidavit of Clifford D. Vermeile
sworn before me at Vancouver, BC
this 15 day of December 2005


A Commissioner for taking Affidavits
for British Columbia

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged by each of the undersigned, the undersigned agrees to assign, and hereby does assign, transfer and set over to

Assignee: **Powertech Industries Inc.**

Jurisdiction: **Province of British Columbia**

Address: **801-100 Park Royal South
West Vancouver, British Columbia
V7T 1A2 Canada**

all right, title and interest in the invention known as:

PULSE COMBUSTOR AND BOILER FOR SAME

for which the undersigned has executed a continuation-in-part application of U.S. Patent Application No. 08/563,917, filed November 29, 1995, proposed for filing in the United States of America concurrently herewith.

1. The undersigned agrees to execute all papers necessary in connection with the application and any continuing or divisional applications thereof or corresponding applications for filing in countries other than the United States of America and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

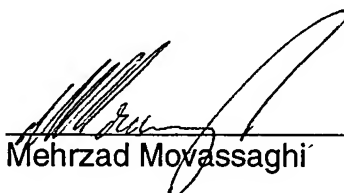
2. The undersigned agrees to execute all papers necessary in connection with any interference, conflict or opposition which may be declared concerning this application or continuation or division or divisions thereof and to co-operate with the Assignee in every way possible in obtaining evidence and going forward with such interference, conflict or opposition.

3. The undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4. The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

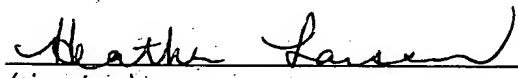
5. The undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or continuation or division or divisions thereof to the said Assignee, as Assignee of the entire interest and hereby covenants that they have (he has) full right to convey the entire interest herein assigned and that they have (he has) not executed and will not execute, any agreement in conflict herewith.

SIGNED at Vancouver, British Columbia, Canada,
this 20th day of April, 1998.



Mehrzad Movassaghi

WITNESS:



(signature)

Heather Larson

(name - printed)

808-777 Carleton St. Vancouver, BC

(address)

Legal Assistant

(occupation)

POWER OF ATTORNEY
(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request)
POWERTECH INDUSTRIES INC. (for all designated states except the
United States)
MOVASSAGHI, Mehrzad (for the US only)

hereby appoints (appoint) the following person as ☒ agent ☐ common
representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country)

VERMETTE & CO.
P.O. Box 40, Granville Square
230 - 200 Granville Street
Vancouver, British Columbia
Canada, V6C 1S4

This is Exhibit "F" referred to in the
affidavit of Clifford W. Vermette
sworn before me at Vancouver, B.C.
this 15 day of December 2005

Clifford W. Vermette
A Commissioner for taking Affidavits
for British Columbia

to represent the undersigned before all the competent international Authorities in
connection with the international application identified below:

Title of Invention: MULTIPLE PLATE COMBUSTOR

Applicant's or agent's file reference: 1491-143

International application number (if already available):

filed with the following office Canada as receiving Office and to
make or receive payments on behalf of the undersigned.

Signature of applicant(s) (where there are several applicants, each of them must sign; next to each
signature indicate the name of the person signing and the capacity in which the person signs, if such capacity is not
obvious from reading the request or this power);

POWERTECH INDUSTRIES INC.

By: [Signature] Director
(signature, title)

[Signature]
MEHRZAD MOVASSAGHI

Oct. 29/03
Dated

Oct. 24/03
Dated



Registered Recommandé



RT 869 975 131 CA

RT 869 975 131 CA

☒ Signature Required
Signature requise

Sender warrants that this shipment does not contain dangerous goods.
L'expéditeur garantit que cet envoi ne contient pas de matières dangereuses.



Registered Domestic
Recommandé Régime intérieur



To Destinataire

FOR DELIVERY
CONFIRMATION

POUR CONFIRMER
LA LIVRAISON

Name Nom
MEHRZAD MONASSAGHI

1 888 550-6333

Address Adresse
2316 W 13 AVENUE

www.canadapost.ca

www.postescanada.ca

City Ville Province Postal Code Code postal
VANCOUVER, BC V6K 2S6

Declared Value Valeur
Value déclarée \$ N/A

Item No. N° de l'article

78 869 975 131

CUSTOMER RECEIPT

REÇU DU CLIENT

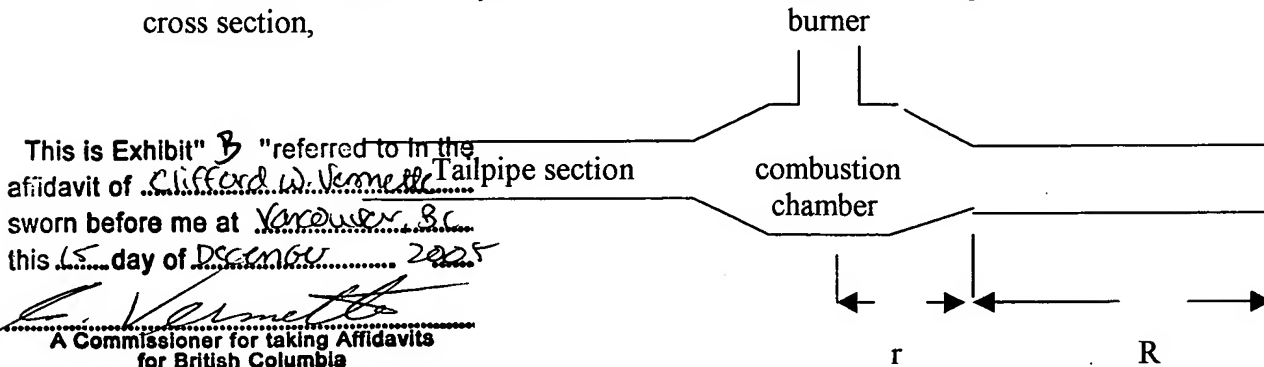
33-006-584 (09-10)

This is Exhibit C "referred to in the
affidavit of JANE T AU-HEUX
sworn before me at VANCOUVER, BC
this 1st day of December 2005

[Signature]
A Commissioner for taking Affidavits
for British Columbia

MULTIPLE PLATE COMBUSTOR

Dr. Movassaghi met with me to discuss the proposed new multiple plate combustor. The original two plate combustor is limited to 600,000 BTU's of heat generation. One cannot simply scale up the combustor and achieve higher gas/air input, larger combustion gas flow and higher heat transfer because the system is not scaleable. In the following sketch of the combustor in cross section,



it is the ratio of r/R that is critical to proper combustion. If the volume of the combustion chamber is too large then combustion will become less efficient and finally will not occur at all. If the spacing of the plates is too great, then the velocity of the gas will slow and operation will eventually cease. By putting one or more plates between the two outer plates one maintains the required spacing between plates but then gas distribution from the combustion chamber is not the same for each tailpipe section. One can adjust the spacing between the plates so that the gas flow down each tailpipe section is the same. This will result in the intermediate plate being closer to the bottom plate than it is to the top plate nearest the burner.

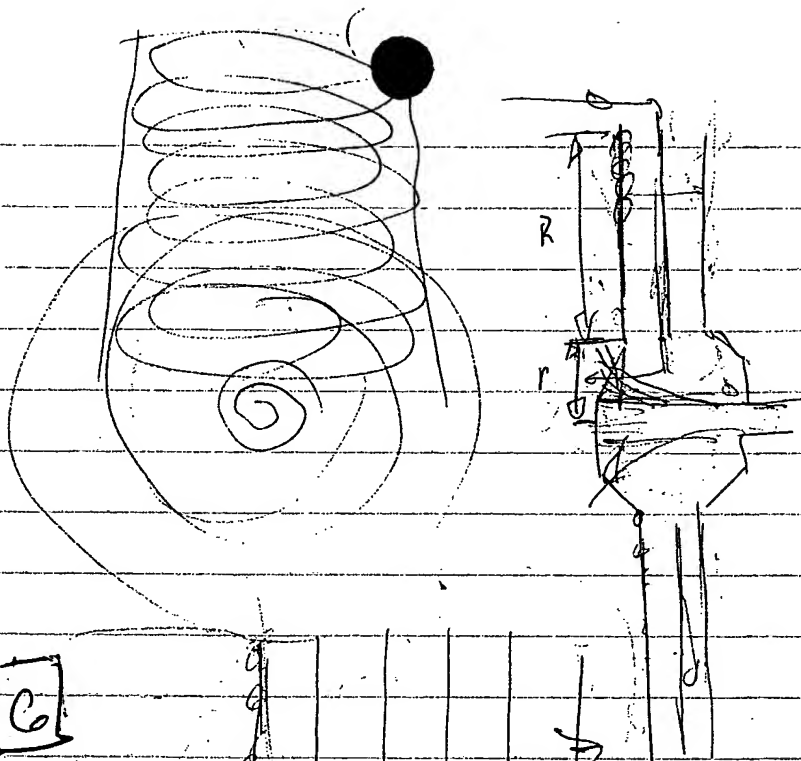
This method of tailpipe spacing adjustment as more and more intermediate plates are used becomes impractical after 3 intermediate plates are used (these 3 plus the 2 outside makes a 5 plate system). The heat generation by a two plate system is 600,000 BTU's/hr maximum. A 3 plate system produces a maximum of 1 million BTU's per hour while a 12 plate combustor produces a maximum of 4 million BTU's per hour. Typically the diameter of a combustor is 36 inches. The problem of adjusting the tailpipe widths for multiple tailpipes arises because the burner flame travels along the combustion chamber fanning out and striking the bottom plate or the plate that is furthest away from the burner. Ignited gas/air then travels back to the tailpipes. Depending upon the removal of ignited gas into the tailpipes the end plate can become very hot, particularly if all of the ignited gas goes into the tailpipe adjacent the bottom plate. To avoid the need to make the tailpipe gaps or widths from the bottom to the top tailpipe the right width, a cylindrical stainless steel burner having a plurality of nozzles may be used. In practice a cylinder of a diameter of about 5 inches and of a length of about 12 inches is fabricated with 6 equispaced lines of nozzles formed in the tube. The nozzles are formed by punching the material of the cylinder so that a cylindrical receptacle is punched into the stainless steel and then a hole drilled into the receptacle. The bottom of the tube extends just short of the bottom plate. Each set of holes at a particular length along the tube directs ignited gas into a corresponding tailpipe section. The size and positioning of the holes determines the divergence of the flame from the burner.

Clifford W. Vermette – February 6, 2002

This is Exhibit "C" referred to in the affidavit of Clifford W. Vermette sworn before me at Vancouver, BC this 15 day of December 2005

1/2

Clifford W. Vermette
A Commissioner for taking Affidavits for British Columbia



1 2 3 10

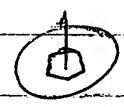
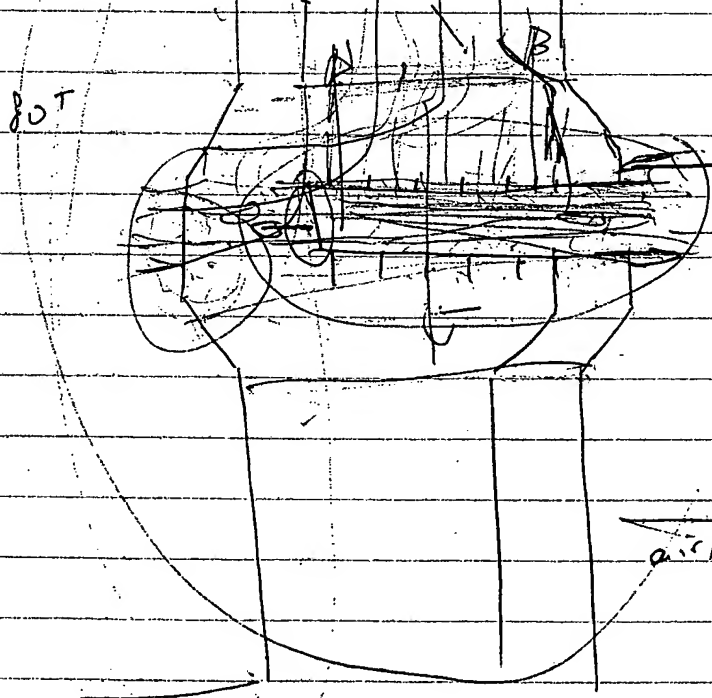
3 2 12
P 1

1m 5.6m

C

600,000 Btu/hr

2 < 30 ppm

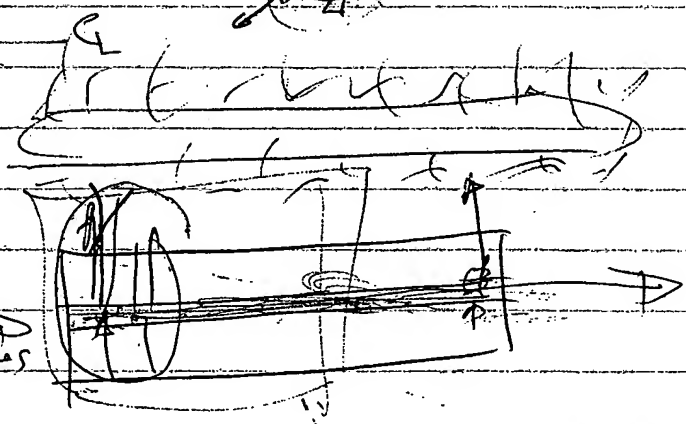


4

12 ppm



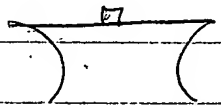
800-6m



Fluent

\$20,000 (2001 CWS)

lease -



874-4429



GASMASTER
Industries Incorporated

1491-142

This is Exhibit D "referred to in the
affidavit of Clifford D. Vermette
sworn before me at Vancouver, BC
this 15 day of December 2005

Fax Cover Sheet

Vermette
A Commissioner for taking Affidavits
for British Columbia

DATE: 3 April 2002 FAX: 604-331-0382

TO: Mr. C. Vermette

COMPANY: Vermette & Co.

FROM: T.T. Floravassaghi

RE: Drawings for Patent Test

Number of pages including cover sheet: 9

Message

Figure 1 is a top-down view of a circular device. It features a central rod (11) passing through the center. The device consists of a series of concentric rings (30) that form a circular disk. A central rod (11) passes through the center of the disk. The rod has a handle (25) on the right side and a tip (40) on the left side. The disk is divided into four quadrants by the central rod and a horizontal line. The handle (25) is labeled with the number 25, and the tip (40) is labeled with the number 40. The concentric rings are labeled with the number 30.

Fig. 2-A

E1G. 2B

REV.	DATE	BY	DESCRIPTION	REF:	FOR:	SCALE	NTS	GASMASTER INDUSTRIES INC.
					GMI 2m F	DATE:	SEP 14/01	Blue 5, 15050 54A AVENUE, SUREY, B.C., CANADA
					BOILER SERIES	DRAWN	MR	Rear Coil Assembly
						CHECK	OD	
				CRN:		APPROVED:	MC	
						DWGNO:	GMI2M.01.02.00 AD (W/F)	SHEET: 1 OF 1

FIGURE 2 MIDDLE COIL

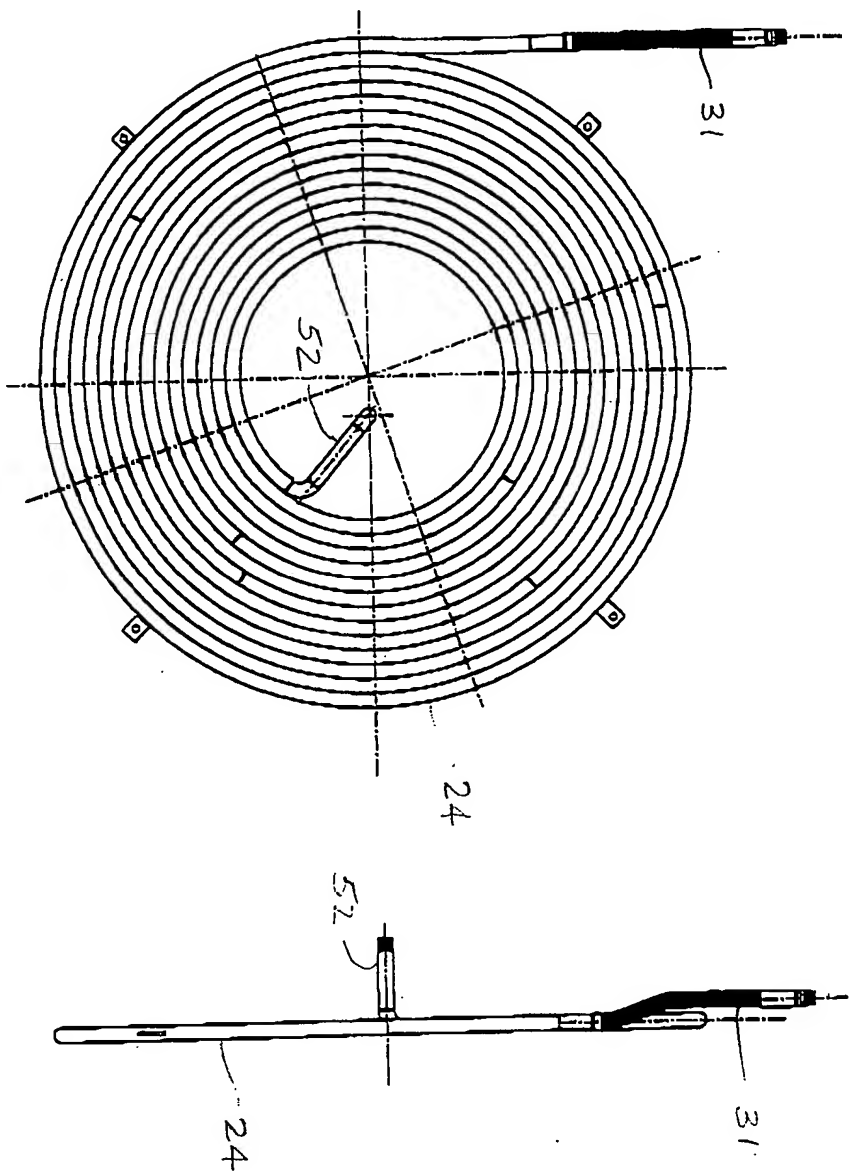


FIG 3A

FIG 3B

REV.		DATE	BY	DESCRIPTION	CRN	FOR:	SCALE: NTS	DATE: SEP 14/01	DRAWN: MR	GK: 00	APPROVED: MC	DWGNO: GM2M 01.05.00 AD (WV)	SHEET: 1 OF 1
						REF:							
						FOR:	GM1 2M F		BOILER SERIES		GASMASTER INDUSTRIES INC. Bldg 5, 15600 54A Avenue, Surrey, B.C., CANADA		
											Middle Coil #3 Assembly		

FIGURE 3

COIL ASSEMBLY

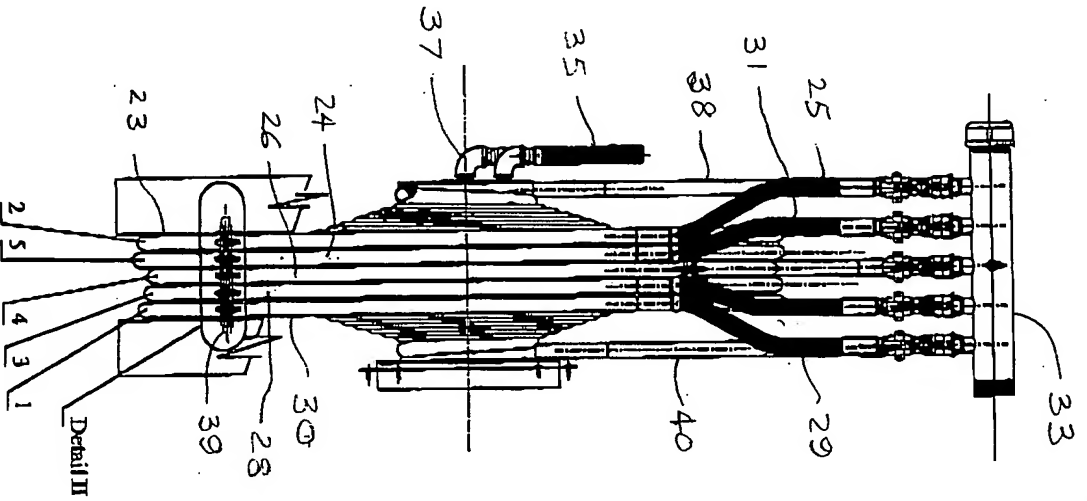
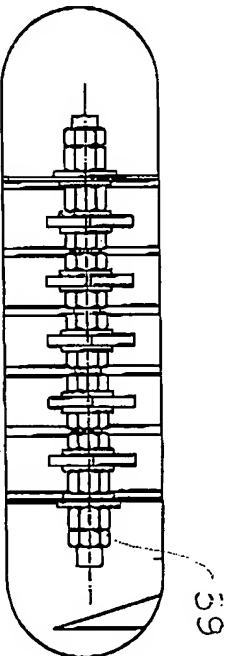


FIG. 4A



Detail "II"

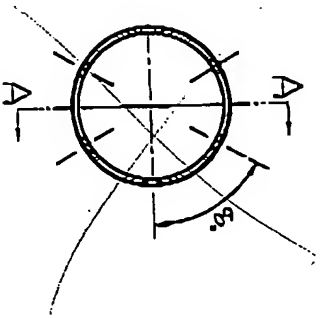
FIG 4B

ITEM	QTY	DESCRIPTION	DWG OR PART N
5	1	MIDDLE COIL #3 ASSEMBLY	GM2M.01.05.00 AD (F)
4	1	MIDDLE COIL #2 ASSEMBLY	GM2M.01.04.00 AD (F)
3	1	MIDDLE COIL #1 ASSEMBLY	GM2M.01.03.00 AD (F)
2	1	REAR COIL ASSEMBLY	GM2M.01.02.00 AD (F)
1	1	FRONT COIL ASSEMBLY	GM2M.01.01.00 AD (F)

SCALE: NTS	DATE: SEP 14/01	GASMASTER INDUSTRIES INC.
DRAWN: MFR	CHK: OD	Heat Exchanger Assembly
APPROVED: MC	DWGNO: GM2M.01.00.00 AD (F)	SHEET: 1 OF 2

REV.	DATE	BY	DESCRIPTION	REF.	FOR:
3					GM1 2M F
2					BOILER SERIES
1					

Technical drawing of a rectangular frame. The overall width is 22,000. The overall height is 12,750. The frame consists of two vertical bars and two horizontal bars. The vertical bars are labeled with a dimension of 0.250x4.5°. The horizontal bars are labeled with a dimension of 1.575. A curved arrow indicates a rotation of 15 degrees.



0.50D \pm 0.000
6 SLOTS

R0.25

Ø5.150 $\begin{matrix} +0.0025 \\ -0.0000 \end{matrix}$

1.000

0.125x4.5°

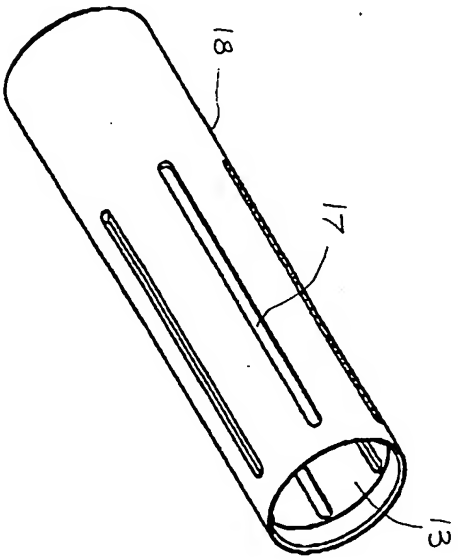


FIG. 6A

MTL.: Pipe 5" Sch40 Stainless Steel, ASME SA-312, TP310

VIEW 1

REV.		DATE	BY	DESCRIPTION	CRN.	FOR	SCALE: NTS	GASMASTER INDUSTRIES INC. Bldg. 35, 15060 51st Avenue, Surrey, B.C. - CANADA
						GMI 4M BOILER SERIES	DATE: DEC 03/01	Burner Head Pipe
							DRAWN: OO	
							CHK: MC	
							APPROVED: MC	
							DRGNO: GMI4H.02.01.01	SHEET: 1 OF 1

NOZZLE STRIP

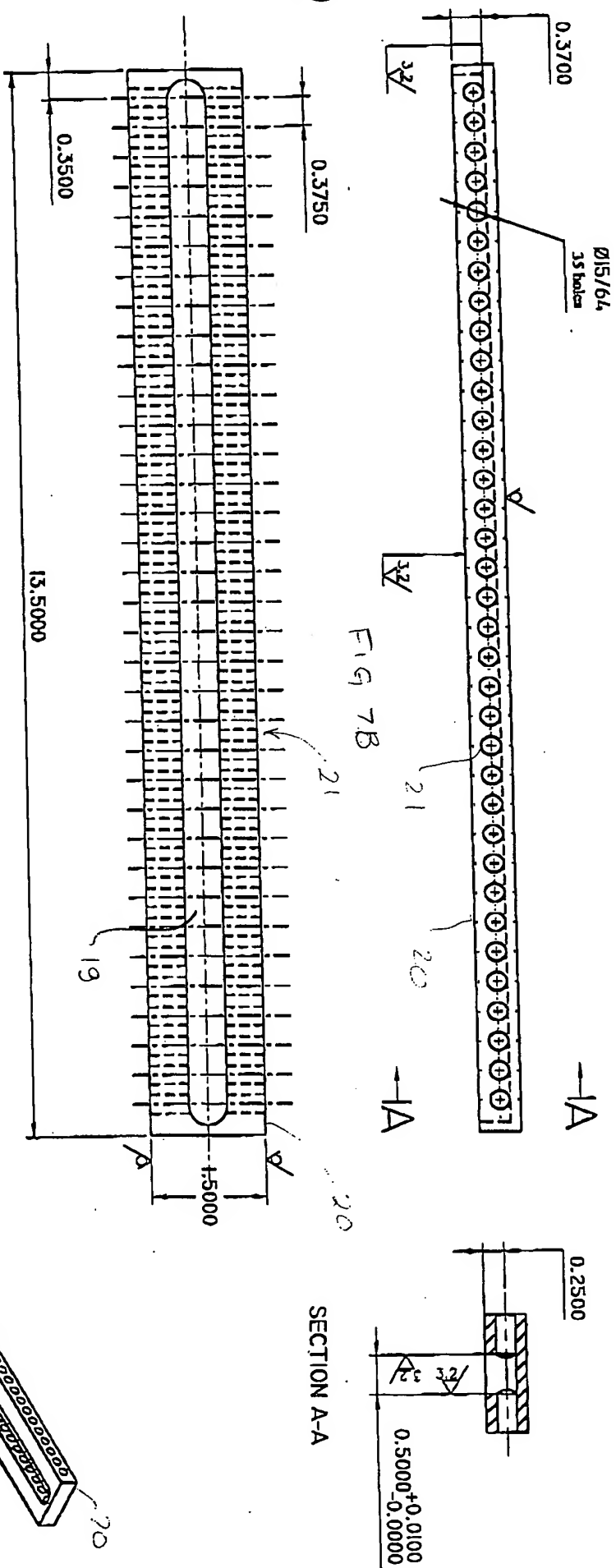


Fig. 7C

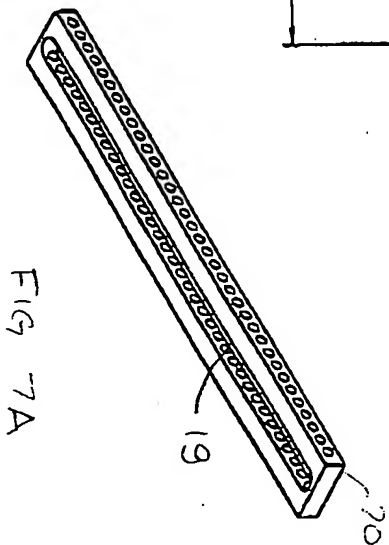
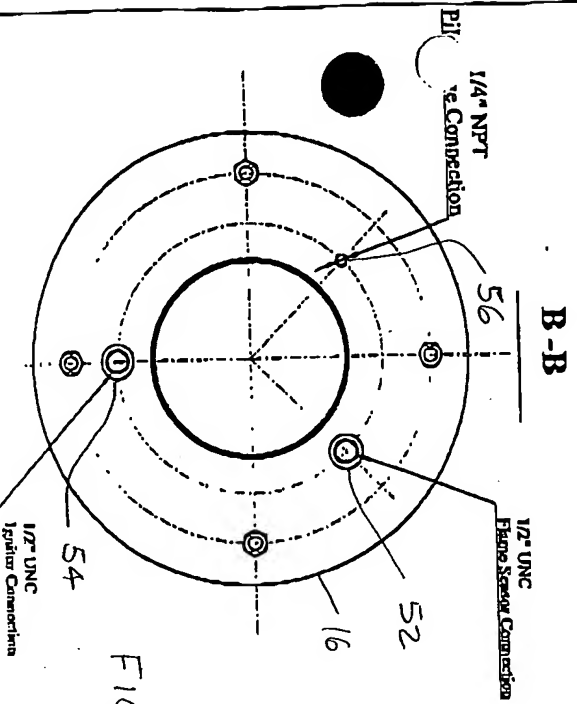
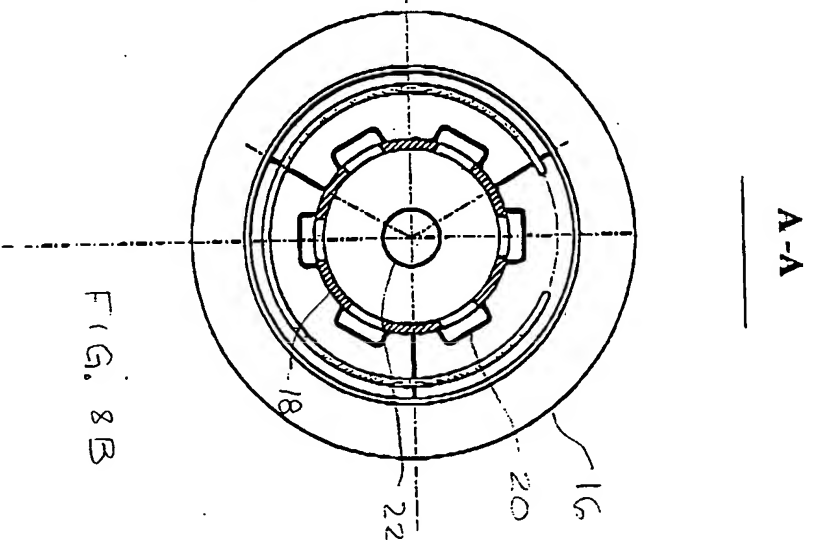
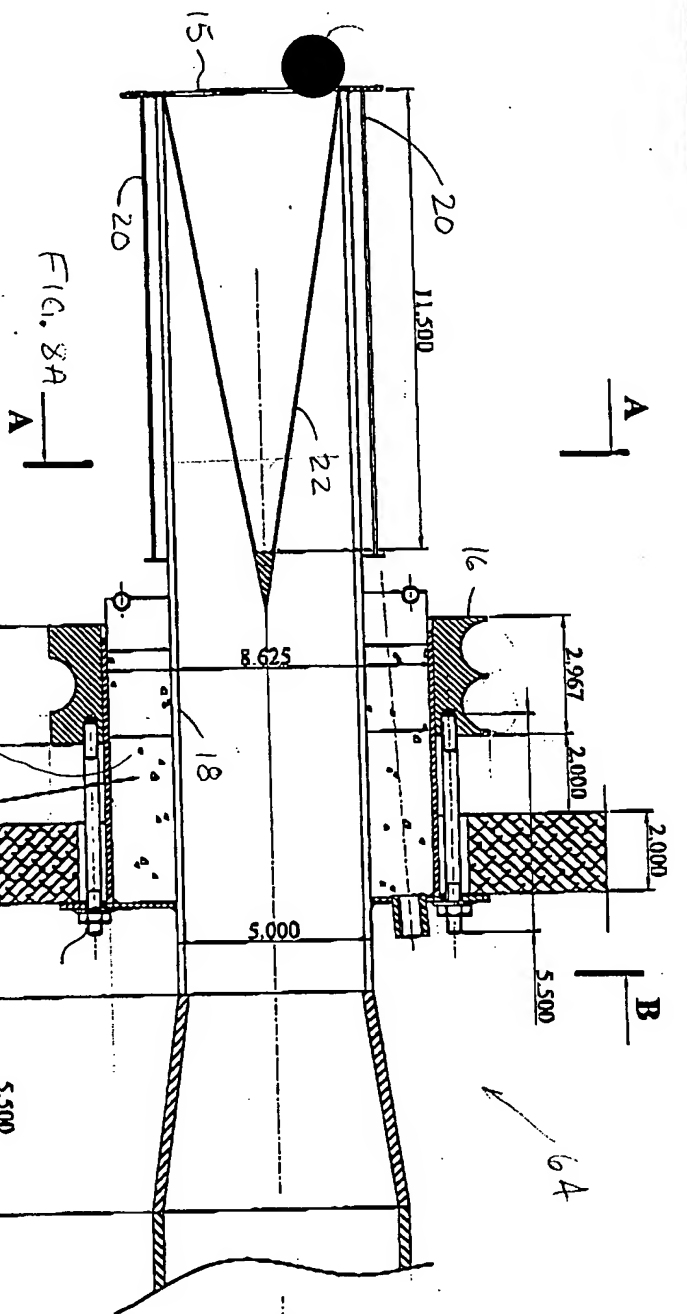


FIG 7A

MTL.: Flat Bar ½" x 1-½", TP310 Stainless Steel, ASTM A-276

		REF:		FOR:		GASMASTER INDUSTRIES INC.	
				GM1 4M		BLVD 5, ESSEX ST & AVENUE, SURREY, B.C. CANADA	
				BOILER SERIES		Nozzle 1/	
				SCALE NTS			
				DATE: DEC 03/01			
				DRAWING: 00			
				CHK: MC			
				APPROVED: MC			
REV.	DATE	BY	DESCRIPTION	CRM:	DMGNO:	GM4M.02.01.02	SHEET: 1 OF 1

Burner Assembly



F1G. 8C

Refractory Material

Front Panel

[illegible]

S.S. CONE



MTL.: ROUND ROD 5-1/4", CARBON STEEL.

		REF:		FOR:		SCALE: NTS		GASMASTER INDUSTRIES INC.	
				GMI 4M		DATE: DEC 03/01		Blk 5, 15050 54A Avenue, Surrey, B.C., Canada	
				BOILER SERIES		DRAWN: DO		Cone	
						CHK: MC		DWGNO: GMI4M.DZ.01.03	
						APPROVED: MC		SHEET: 1 OF 1	
REV.	DATE	BY	DESCRIPTION						
				GRN:					

Orin Del Vecchio

From: Mehrzad Movassaghi [mmovassaghi@gasmaster-ind.com]
Sent: Wednesday, July 10, 2002 8:42 AM
To: Orin Del Vecchio
Subject: Re: Multiple Plate Combustor Patent (1491-142)

This is Exhibit "E" referred to in the
affidavit of Clifford W. Vermette
sworn before me at Vancouver, B.C.
this 15 day of December 2005


A Commissioner for taking Affidavits
for British Columbia

Dear Mr. Vecchio:

I apologize for the delay in response. The text is fine. Quite frankly, I was under the impression that this had already been filed, until yesterday that I was told by Michael you were awaiting my response.

Thanks.

----- Original Message -----

From: Orin Del Vecchio <odelvecchio@vermetteco.com>
To: Mehrzad Movassaghi (E-mail) <mmovassaghi@gasmaster-ind.com>
Sent: Wednesday, May 01, 2002 12:03 PM
Subject: Multiple Plate Combustor Patent (1491-142)

> Hello Dr. Movassaghi,
>
> I have attached a copy of the patent application revised according to our
> discussion yesterday morning. The copy attached is a tracked version so
> you
> can see where the changes have been made. The drawings have not been
> changed, except that in Figure 8A we have redrawn the cone to be parabolic
> instead of triangular.
>
>
> Please review the changes and confirm that they match with what we
> discussed. If you have any further changes, you may incorporate them into
> the existing document or advise me and I will make the change myself.
>
> Once the application meets with your approval, we will proceed with filing
> in Italy as per your instructions to Mr. Vermette.
>
> If you have any questions or concerns, please do not hesitate to contact
> our office.
>
> Regards,
>
> Orin Del Vecchio, Barrister and Solicitor
> Vermette & Co.
> Vancouver, BC, Canada
> Tel: (604)331-0381
> Fax: (604)331-0382
> email: odelvecchio@vermetteco.com
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